

Title (en)

BILIRUBIN ANTIGEN, MONOCLONAL ANTIBODY THEREFOR, PROCESS FOR THEIR PREPARATION, AND THEIR USE

Publication

**EP 0307476 A4 19901212 (EN)**

Application

**EP 88900121 A 19871219**

Priority

- JP 10549687 A 19870427
- JP 30469886 A 19861220

Abstract (en)

[origin: EP0307476A1] A new bilirubin antigen contains a bilirubin residue bound to a protein molecule either by means of a spacer attached to the outermost vinyl gp. of the outer pyrroline ring of the bilirubin, or by means of bonding to one or more carboxyl gps., of the bilirubin. The antigen has formula Bil-CHMe-Sp-N-Prot (I), Bil-CO-NH-Prot (II) or (III); where Bil is bilirubin residue; Sp is a spacer group; Prot is a protein. Also claimed is a monoclonal antibody which recognises the antigen, and obtained by fusing antibody-producing cells which are immunised to the bilirubin antigen, which a suitable tumour cell line to give a hybridoma, selecting and cloning to give a cell line which expresses the monoclonal antibody.

IPC 1-7

**C07K 15/12**; **C07K 15/04**; **A61K 39/395**; **C12P 21/00**; **G01N 33/577**; **G01N 33/72**

IPC 8 full level

**C07K 16/18** (2006.01); **C12P 21/08** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

**C07K 16/18** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

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- [A] BIOCHEMICAL SOCIETY TRANSACTIONS, vol. 4, no. 2, 1976, pages 303-304; F.E. HANCOCK et al.: "Synthetic conjugates of bilirubin"
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